



# Water Treatment Chemicals



Chemical	Pack Size	Description
<b>Chlorine 65</b>	67mg tablets 1, 5, 20 & 45kg	Granular Calcium Hypochlorite ( $\text{Ca}(\text{ClO})_2$ - 65% available Chlorine) is the most common compound for water disinfection. It is effective against bacteria, viruses, yeast, fungi, mycobacteria and spores. Other sizes available on order
<b>H<sub>2</sub>O Guard Bleach Hypoconc</b>	1 Litre 5 Litres 20 Litres	Sodium Hypochlorite ( $\text{NaClO}$ ) or Liquid Chlorine is used for surface and water disinfection, bleaching and odour removal. It is also used to activate and regenerate DMI 65 (Iron and Manganese removal media). H <sub>2</sub> O Guard is 1.5% concentration, Bleach is 3-5% concentration, Hypoconc is 10-12% concentration
<b>pH Minus &amp; pH Plus</b>	5 & 20kg	For pH adjustment, ( $\text{HCL}$ & $\text{Na}_2\text{CO}_3$ ) the product selected being determined by water condition.
<b>Flocculant</b>	5, 20 & 50kg	Hydrated Aluminium Sulfate ( $\text{Al}_2(\text{SO}_4)_3$ - Alum) for coagulating turbid water and to increase filtration efficiency.
<b>Polyaluminium Chloride (PAC)</b>	25kg	PAC is widely used in both potable water and wastewater treatment to clear suspended particles and to increase filtration efficiency due to its high coagulation efficiency. It is also used to regenerate Indion RS-F (Fluoride Removal Media).
<b>Sodium Metabisulphite (SMBS)</b>	25kg	SMBS ( $\text{Na}_2\text{S}_2\text{O}_5$ ) is widely used for preservation of Reverse Osmosis and Ultrafiltration membranes. It is also used for dichlorination, the removal of chlorine from the raw water before passing through Reverse Osmosis Membrane.
<b>PH Booster</b>	20 Litres & 25kg	Caustic Soda ( $\text{NaOH}$ - Sodium Hydroxide) is widely used to increase the pH of cleaning water during CIP (Clean In Place) and as a regenerant for Anion exchange resin, Amberlite IRA402 Cl, and for grease trap and drain cleaner.
<b>Industrial Salt</b>	50kg	Pool Salt ( $\text{NaCl}$ ) for use as the regenerant for softening resin.
<b>Spectraguard</b>	5, 20kg	A broad spectrum liquid antiscalant for use in Reverse Osmosis and Nano-Filtration systems. It is a phosphate free formulation that is effective at preventing scale and membrane protection. Dayliff Genesys antiscalant should be dosed continuously to the feed water upstream of the cartridge filters. Typical dosage rates are 2-5mg/l.
<b>Battery Water, De-ionized Water</b>	1 Litre, 5 & 20 Litres	De-ionised water is pure water that has all ions removed, with Conductivity < 10us/cm. It has various applications including diluting laboratory samples, manufacturing applications and top up for lead acid batteries.
<b>Citric Acid</b>	25kg	A weak organic acid ( $\text{C}_6\text{H}_8\text{O}_7$ ) widely used as a descaling product in steam generators/boilers and evaporators. It is also used as a low pH adjuster in water treatment; a flavouring agent and preservative in the food and beverage industry; antioxidant in pharmaceutical and cosmetic industries and also in detergent manufacturing.
<b>Descalant</b>	5, 20kg	Inhibited Hydrochloric acid used to remove limescale from metal surfaces in contact with hot water, such as in boilers, water heaters, heat exchangers and kettles. The inhibitor buffers the corrosive effect of the acid on various metals. The speed of the descaling action depends on the concentration and acidity, or pH of the solution prepared.